

IN THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Claim 1. (currently amended) A method for treating a viral infection in a subject, said method comprising administering N-glycolylneuraminic acid or a derivative thereof to said subject in an amount effective to treat said viral infection, wherein said derivative is phosphorylated N-glycolylneuraminic acid, sulfated N-glycolylneuraminic acid, a salt of N-glycolylneuraminic acid, or O-glycolylneuraminic acid.

Claim 2. (original) The method of claim 1, wherein said viral infection is from an enveloped retrovirus.

Claim 3. (original) The method of claim 1, wherein said viral infection is from HIV.

Claim 4. (withdrawn) The method of claim 1, wherein said viral infection is from hepatitis virus.

Claim 5. (withdrawn) The method of claim 1, wherein said viral infection is from herpes virus.

Claim 6. (original) The method of claim 1, wherein said N-glycolylneuraminic acid or said derivative thereof is administered intravenously.

Claim 7. (original) The method of claim 1, wherein said N-glycolylneuraminic acid or said derivative thereof is administered subcutaneously.

Claim 8. (original) The method of claim 1, wherein said N-glycolylneuraminic acid or said derivative thereof is administered orally.

Claim 9. (original) The method of claim 1, wherein said N-glycolylneuraminic acid or said derivative thereof is administered by inhalation.

Claim 10. (original) The method of claim 1, wherein said N-glycolylneuraminic acid or said derivative thereof is administered transdermally.

Claim 11. (original) The method of claim 1, said method further comprising monitoring said subject for the presence of said viral infection.

Claim 12. (original) The method of claim 1, wherein said amount of N-glycolylneuraminic acid or said derivative thereof is about 1 mg to about 1000 mg per administration.

Claim 13. (original) The method of claim 12, wherein said amount of N-glycolylneuraminic acid or said derivative thereof is about 10 mg to about 100 mg per administration.

Claim 14. (original) The method of claim 13, wherein said amount of N-glycolylneuraminic acid or said derivative thereof is about 30 mg to about 80 mg per administration.

Claim 15. (original) The method of claim 1, wherein said amount of N-glycolylneuraminic acid or said derivative thereof is administered daily.

Claim 16. (original) The method of claim 1, wherein N-glycolylneuraminic acid is administered.

Claim 17. (original) The method of claim 1, wherein said derivative is phosphorylated N-glycolylneuraminic acid.

Claim 18. (original) The method of claim 1, wherein said derivative is sulfated N-glycolylneuraminic acid.

Claim 19. (original) The method of claim 16, wherein said N-glycolylneuraminic acid is synthetic.

Claim 20 (original) The method of claim 16, wherein said N-glycolylneuraminic acid is extracted from a biological sample.

Claim 21. (withdrawn) A method for preventing or treating a pathogenic infection in a patient, said method comprising administering N-glycolylneuraminic acid or a derivative thereof to said patient in an amount effective to treat said immune mediated disease in said patient.

Claim 22. (withdrawn) The method of claim 21, wherein said immune mediated disease is cancer.

Claim 23. (withdrawn) A method for preventing or treating a pathogenic infection in a patient, said method comprising administering N-glycolylneuraminic acid or a derivative thereof to said patient in an amount effective to prevent or treat said pathogenic infection.

Claim 24. (withdrawn) The method of claim 23, wherein said pathogenic infection is a bacterial infection.

Claim 25. (withdrawn) The method of claim 23, wherein said pathogenic infection is a parasite.

Claim 26. (withdrawn) The method of claim 23, wherein said pathogenic infection is influenza.

Claim 27. (withdrawn) The method of claim 23, wherein said pathogenic infection is malaria.

Claim 28. (withdrawn) A method for treating a blood product intended for transfusion into a subject, said method comprising adding N-glycolylneuraminic acid or a derivative thereof to said blood product in an amount effective to reduce or eliminate the risk of infection of said subject with a pathogen associated with transfusion of said blood product.

Claim 29. (withdrawn) A method for treating a viral infection in a subject, said method comprising administering a first anti-viral agent and a second anti-viral agent to said subject in amounts effective to treat said viral infection, wherein said first anti-viral agent is N-glycolylneuraminic acid or a derivative thereof.

Claim 30. (cancelled) The method of claim 29, wherein said first and second anti-viral agents are conjugated to each other.

Claim 31. (cancelled) The method of claim 29, wherein said second anti-viral agent is a reverse transcriptase inhibitor or a protease inhibitor.

Claim 32. (new) The method of claim 1, wherein the N-glycolylneuraminic acid derivative is a salt of N-glycolylneuraminic acid.

Claim 33. (new) The method of claim 1, wherein the N-glycolylneuraminic acid derivative is O-glycolylneuraminic acid.